

## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

This Document contains information affecting the National Defense of the United States, within the meaning of Title 18, Sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law. The reproduction of this form is prohibited.

~~SECRET~~

25X1A

COUNTRY	Czechoslovakia	REPORT NO.	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>
SUBJECT	Zdar Machine Shops and Foundries: Cutting Edge Research	DATE DISTR.	11 December 1953
DATE OF INFO.	<div style="border: 1px solid black; width: 240px; height: 40px;"></div>	NO. OF PAGES	1
PLACE ACQUIRED	<div style="border: 1px solid black; width: 240px; height: 40px;"></div>	REQUIREMENT NO.	RD
		REFERENCES	

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
THE APPRAISAL OF CONTENT IS TENTATIVE.  
(FOR KEY SEE REVERSE)

25X1X

1. The Zdar Machine Shops and Foundries at Zdar, Moravia, are experimenting to find a substitute for the expensive vanadium alloy which is used in the manufacture of turning lathe tools. Czechoslovakia has been importing its entire supply of vanadium alloys from the USSR at 380 Kcs. per kilogram.<sup>1</sup>
2. A ceramic compound, quarcilit (sic), is being tested as a vanadium steel substitute in Machinery Hall No. 4 of the Zdar plant. Quarcilit allegedly consists mainly of native quartz.
3. The new tool point made with quarcilit is rhomboidal and very light. It cuts glass almost better than a diamond, but difficulty has been encountered in attaching the quarcilit point to the steel bodies of the tools.

- 25X1A 1.  Comment. Price cited is in terms of the Czech currency previous to the currency reform of June 1953.

~~SECRET~~

25X1A

STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC	
-------	---	------	---	------	---	-----	---	-----	--	-----	--

(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)